

What is claimed:

1. *(Currently Amended)* A gas compressor and a lubricant therein wherein the lubricant comprises;
  - a) at least one oil of lubricating viscosity,
  - b) from about 0.1 to about 5 weight percent of a polymeric additive having a weight average molecular weight from 70,000 to 350,000 amu and soluble in said lubricant at those weight percentages and wherein said polymeric additive is selected from the group consisting of homopolymer, copolymer, terpolymer etc comprising at least 40 weight percent repeating units from C2 to C30 linear or branched olefins, and
  - c) optionally lubricant additives selected from antioxidants, friction modifiers, dispersants, detergents, basicity reserve agents, dyes, and corrosion inhibitors.
2. *(Original)* A gas compressor and a lubricant therein according to claim 1, further including a chlorofluorocarbon, hydrochlorofluorocarbon, or hydrofluorocarbon gas within said compressor.
3. *(Canceled)*.
4. *(Canceled)*.
5. *(Previously Presented)* A gas compressor and a lubricant therein according to claim 2, wherein said lubricant comprises a mineral oil, synthetic hydrocarbon, alkyl benzene, or alkyl naphthalene.
6. *(Canceled)*.
7. *(Original)* A gas compressor and a lubricant therein according to claim 1, further including a low molecular weight hydrocarbon gas, carbon dioxide, ammonia, or air therein.
8. *(Canceled)*.
9. *(Canceled)*.
10. *(Original)* A gas compressor and a lubricant therein according to claim 7, wherein said lubricant comprises at least 50 weight percent of hydrocarbon lubricants selected from polyalphaolefins, mineral oil, and alkyl aromatics.
11. *(Canceled)*.

12. *(Currently Amended)* A gas compressor and a lubricant therein according to claim ~~10~~<sup>11</sup>, wherein said polymeric additive is a polyisobutylene or other polyolefin homopolymer or substantially polyolefin copolymer.

13. *(Currently Amended)* In a method of compressing a gas using a mechanical compressor lubricated with a lubricant, the improvement comprising adding from about 0.1 to about ~~5~~ <sup>20</sup> weight percent of a weight average molecular weight from 70,000 to 350,000 amu polymer that is soluble in said lubricant to said lubricant to suppress the tendency of said lubricant to be carried away from the compressor in the compressed gas output and wherein said polymer comprises a homopolymer, copolymer, terpolymer etc comprising at least 40 weight percent repeating units from C2 to C30 linear or branched olefins.

14. *(Original)* In a method according to claim 13, wherein said compressed gas comprises a low molecular weight hydrocarbon including natural gas, ammonia, or carbon dioxide.

15. *(Canceled).*

16. *(Canceled).*

17. *(Canceled).*

18. *(Canceled).*

19. *(Canceled).*